

A photograph of a coal-fired power plant chimney emitting a large plume of dark smoke against a bright, hazy sky. The chimney is silhouetted against the light. The overall scene is dominated by warm, golden-yellow tones from the sun or sky.

# Cleaning the air we breathe

Coal-fired power plants, China

*Environmentally hazardous emissions can be sharply reduced by cleaning flue gases from coal power plants. Munters mist elimination is a critical part of this process. Munters has worked with leading power companies for decades and built up an extensive parameter database with testing and follow-up processes, and a design tool that adapts and optimises results based on customer conditions.*

## **Air Pollution in China**

In recent years, the demand for power in China has increased and as many power plants are driven by coal this lead to air pollution. Sulphur emissions from power plants create acid rain and this is a major environmental problem in many countries. The Chinese authorities have therefore introduced stringent regulations to reduce these types of emissions.



# Installing an advanced Mist Elimination system

Leading Chinese power industries and power engineering are using the Munters mist elimination technology in their flue-gas cleaning process. They do this since there is no room for error, and they need the best product on the market, a reliable and advanced system to ensure emissions are below limits.

The desulfurization process takes place in a process tower where flue gases pass before they are emitted out through the plant's chimneys. The contaminated flue gases are first sprayed with a mixture of water and chemicals that bind contaminants.

Through a combination of speed and friction, Munters mist eliminators then capture the contaminated drops that fall down and are collected in the bottom of the process tower.

Mist elimination also includes a cleaning system where contaminated water and sledge can be removed from the mist eliminators, thus keeping them clean for greatest efficiency. Cleaning via desulfurization is very efficient. More than 95% of the contaminating substances are eliminated in this process.

## Case study

- Air cleaning at coal-fired power plants

### Advantages:

- More than 50 years of experience
- More than 1400 installations
- Unique solutions for all conditions

Would you like to find out if Munters has a solution for your company too? If so, please visit our website, [www.munters.com](http://www.munters.com)

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